

MEGA POWER⁺

Simply Ingenious!



SMARTER. GREENER. FASTER.

Modular UPS System 25kVA/kW to 250kVA/kW

- True Modular Capabilities
- Delivers 25-250kVA/kW
- True Green Power
- True Online
- The Highest Power Density & the Smallest Footprint
- Maximum Availability and Minimal Downtime
- Exclusive feature for data processing machine



Ador PowerAce
True Online UPS System

Technology Associates:



Our Power Your Confidence

Ador Gamatronic brings new paradigm to the field of UPS with the MEGA POWER⁺ UPS. This truly modular UPS 250 kVA/250 kW delivers maximum power with the smallest footprints available in the market.

MEGA POWER⁺ is a True Parallel Redundant UPS

True N+1 redundancy of 25kW modules provides several critical advantages, including:

Highest level of load availability: Even if a module fails for some reason, it will not influence the UPS system operation and load availability. The system will continue to work unhindered.

Flexible scalability: MEGA POWER⁺ ensures future growth with load increase with a wide power capacity range: from 25 to 250kVA/kW. This scalability feature enables the user/designer unprecedented flexibility to correctly size the UPS for today, next month, next year (There is no need to supply spare UPS capacity in advance; only what the user/designer currently needs.)

Minimal maintenance: MEGA POWER⁺ delivers very low MTTR (Mean Time To Repair), which results in the best service with minimal costs.

Minimal Maintenance / Minimal Down Time

MEGA POWER⁺ offers a truly modular configuration. Each 25 kVA/kW module is entirely self-contained and ready for hot-swap and hot plug – without requiring complex and expensive stocks of components, subsystems, and spare parts. At any time, without shutting the entire unit down, any module can simply be hot-swapped with replacement. This enables MEGA POWER⁺ to back up critical applications and data centers that cannot afford any downtime.

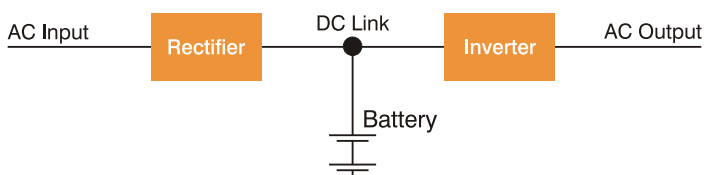
Unity Output Power factor

MEGA POWER⁺ performs unity output PF 1; 250kVA = 250kW. The UPS is perfectly suitable for capacitive loads, such as blade servers with lower power factor.



MEGA POWER⁺ Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3



MEGA POWER⁺ Single UPS 25 kW Module Specifications

	Topology	On line Battery, Double Conversion, VFI									
	Construction	Modular parallel hot-swapped modules									
	Operation	Continuous									
INPUT	Voltage	3X400 V +N									
	Voltage range	-20% , + 15%									
	Current	3x42 A per module									
	Frequency	47 ÷ 63 Hz									
	Power walk-in	< 60 Sec (Generator friendly)									
	Power Factor	0.99									
	THD i	5 %									
OUTPUT	Rated Power	25 kVA/25 kW to 250 kVA/250 kW									
	Frequency (in free-running mode)	50/60 Hz ±0.1%									
	Frequency tracking range	±1 Hz, ±2 Hz, ±3 Hz (selectable)									
	Slew Rate	1 Hz/Sec									
	Voltage	3x400 V +N									
	Static Regulation	±1 %									
	Regulation for unbalanced load	±1 % for 100 % unbalanced load									
	Dynamic response to 100% load step	±2 %									
	Overload	110 %: 10 minutes, 125 %: 60 seconds, 1000 % : 1 cycle									
	Waveform	Sinusoidal									
	THD	Less than 2 % for linear load									
	Load CF (max)	6:1									
	AC-AC efficiency (nominal)	Up to 96 % at full load									
	DC-AC efficiency (nominal)	Up to 98 % at full load									
BATTERIES	DC-link voltage	±432 V									
	Quantity	64X12 V									
	Type	Sealed Maintenance Free (SMF) VRLA, Tubular lead acid									
DISPLAY		TFT LCD color monitor 7" with touch screen									
GENERAL	Maximum power dissipation (Po=25kW)	N*1315 W (N*4487 BTU/hr)									
	Ambient Temperature	-10 °C to 40 °C (operating); -20 °C to 60 °C (storage)									
	Relative Humidity	95 % max non-condensing									
	Altitude	1500 m without derating									
	Enclosure	IP 20									
	Cooling System	Multi-fan with speed control (forced)									
STANDARDS	EMC	EN50091-2 Class A; IEC 62040-2 Class A									
	Design	EN50091-3; IEC 62040-3									
	Safety	EN50091-1; IEC 62040-1-1									
	Low freq. magnetic field radiation	EMF as per ICNIRP									
DIMENSION	UPS type (kW)	25	50	75	100	125	150	175	200	225	250
	Height (mm)	1970									
	Width (mm)	670									
	Depth (mm)	630									
	Weight (Kg)	152	184	216	248	280	312	344	376	408	440
ACOUSTIC NOISE	Noise (dBA) with half load	48	52	53	54	55	56	57	57	58	58
	Noise (dBA) with full load	51	54	55	57	58	59	60	60	60	61

■ All specifications are subject to change without prior notice.



MEGA POWER⁺ has been granted a United States Design Patent.
Design Patent No. US D606,018S.

MEGA POWER⁺ User-Friendly Controller

Each MEGA POWER⁺ features a unique and proprietary Controller, which is the user's main interface with the MEGA POWER⁺. The Controller features a colored, touch-sensitive screen which enables the user to navigate through the system screens by pressing various icons. Multi language functions allow simple usage worldwide. The Controller is not a failure point and UPS operation is not interrupted if the Controller is removed. Its interface offers up-to-the-minute, intelligent monitoring of all UPS parameters including intelligent battery monitoring functionality, system voltage, temperature etc. Each system element has its own Control and History Log. Built in SNMP/TCIP & optional GPSR/SMS interface provides complete control over unit's operation without installing software or using dedicated computers or control hardware.



MEGA POWER⁺ Applications

Modular and advance, MEGA POWER⁺ solutions are an excellent choice for:

- **Local Area Networks** • **Servers** • **Data Centers** • **Point of Sale Applications** • **Telecom Facilities**
- **Medical Equipment** • **Industrial PLCs**



ADOR POWERTRON LIMITED

An ISO 9001-ISO 14001 Company

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